

Graphical sessions

We provide an interactive node (**mesoshared.univ-fcomte.fr**) for graphical sessions like:

- File editing
- Running matlab/comsol (we recommend batch mode using SGE)
- Results post-processing
- File Transfer
- ...



- This node is shared between users and is not managed by a resources manager (GridEngine).
- This node is managed by X2Go software.
- This node have 32 cores Intel Nehalem (2.2GHz) and 64Go of memory.



The system on the cluster is old, so X2Go no longer works correctly with current clients.

Instead, you need to use : **ssh -X**

X2Go

X2Go enables users to access a graphical desktop over low or high bandwidth connections. It provides a remote desktop solution tunneled over SSH supporting file and printer sharing.

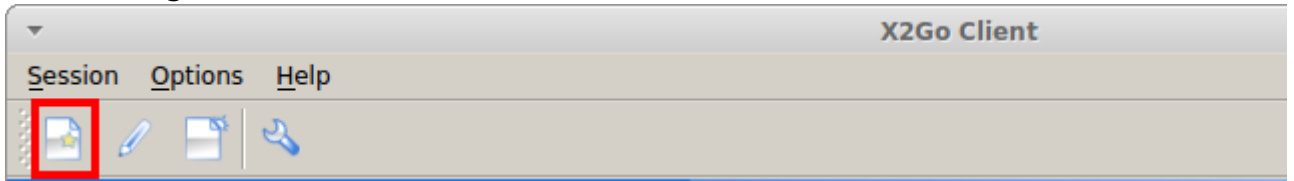
We recommend that users install the latest version of X2Go by downloading it from <https://wiki.x2go.org/>



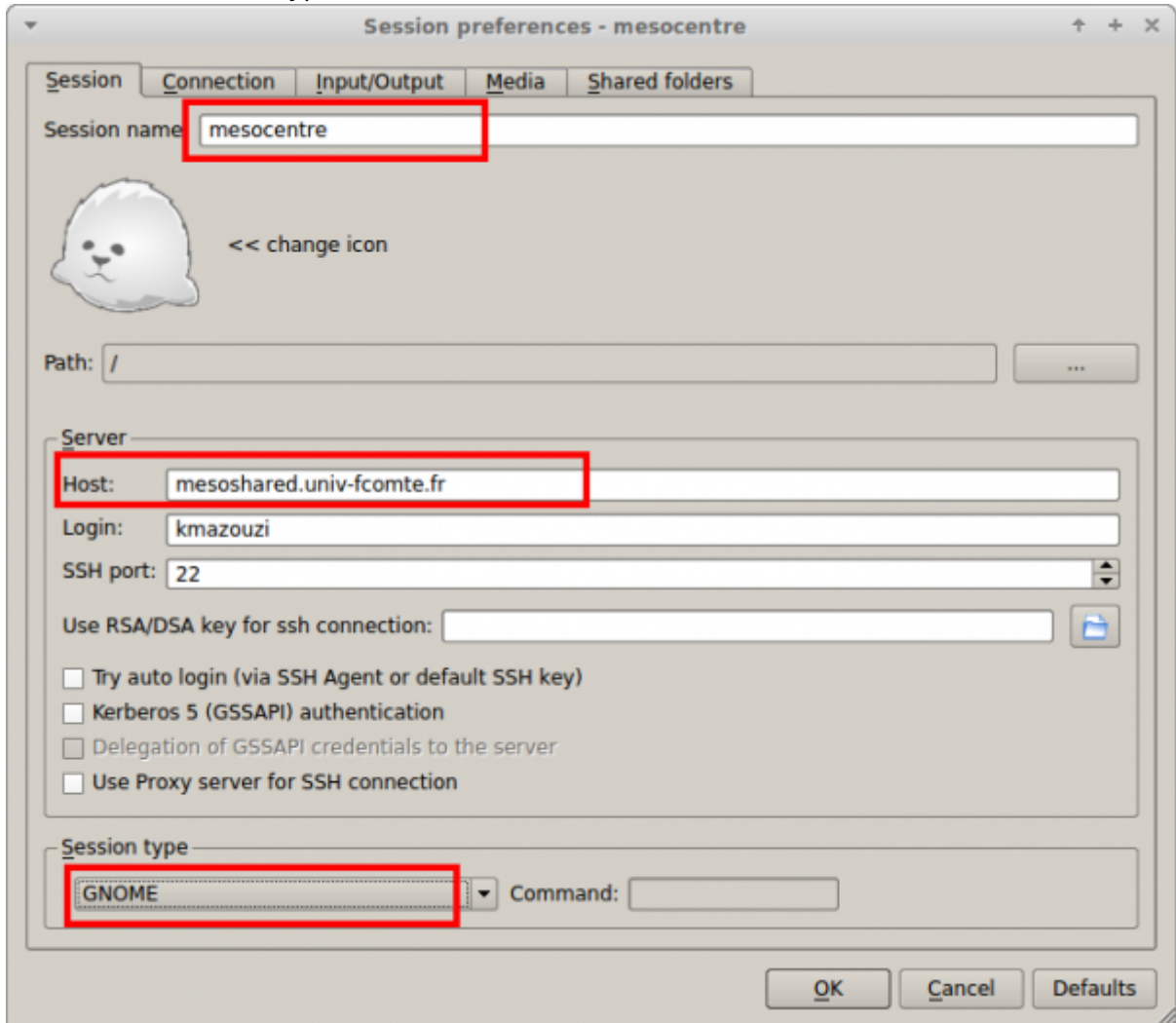
For Microsoft Windows users there is a BUG with the latest x2go client version. Please the older versions. For example : <https://code.x2go.org/releases/binary-win32/x2goclient/releases/4.1.0.0-2017.03.11/>

Connecting to mesoshared

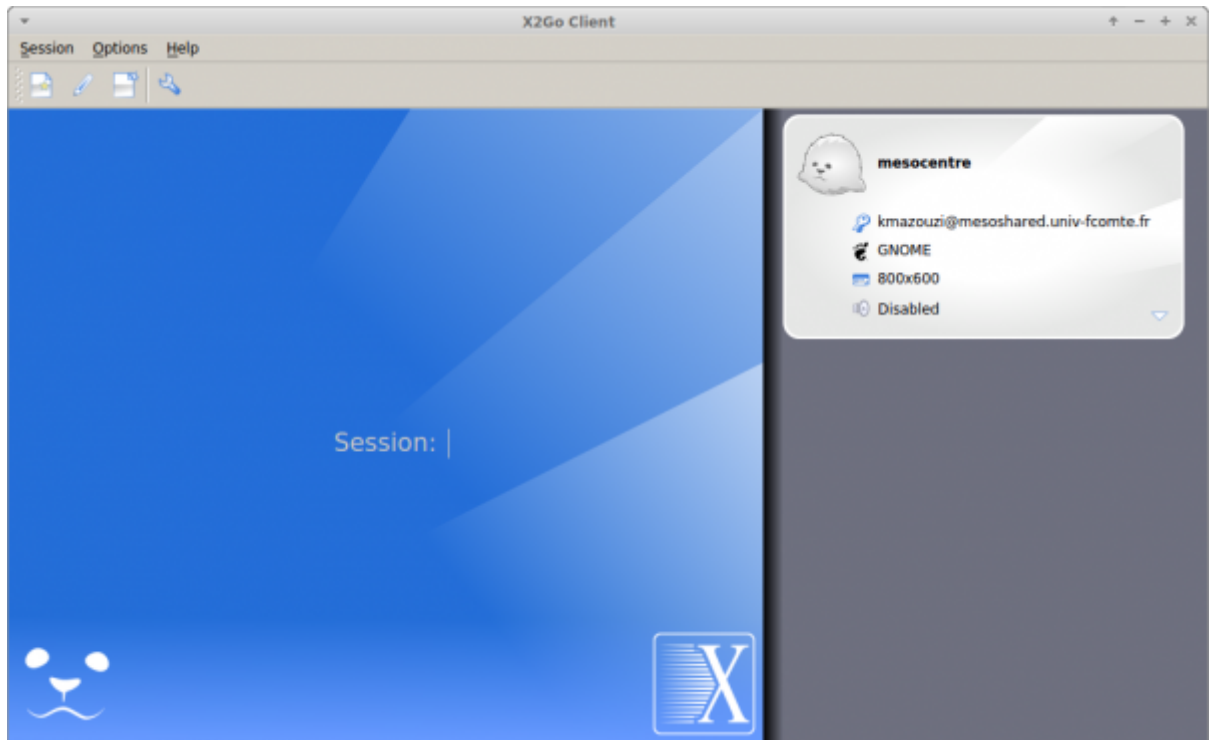
1. Start the **x2goclient** software and click the New Session button as shown:



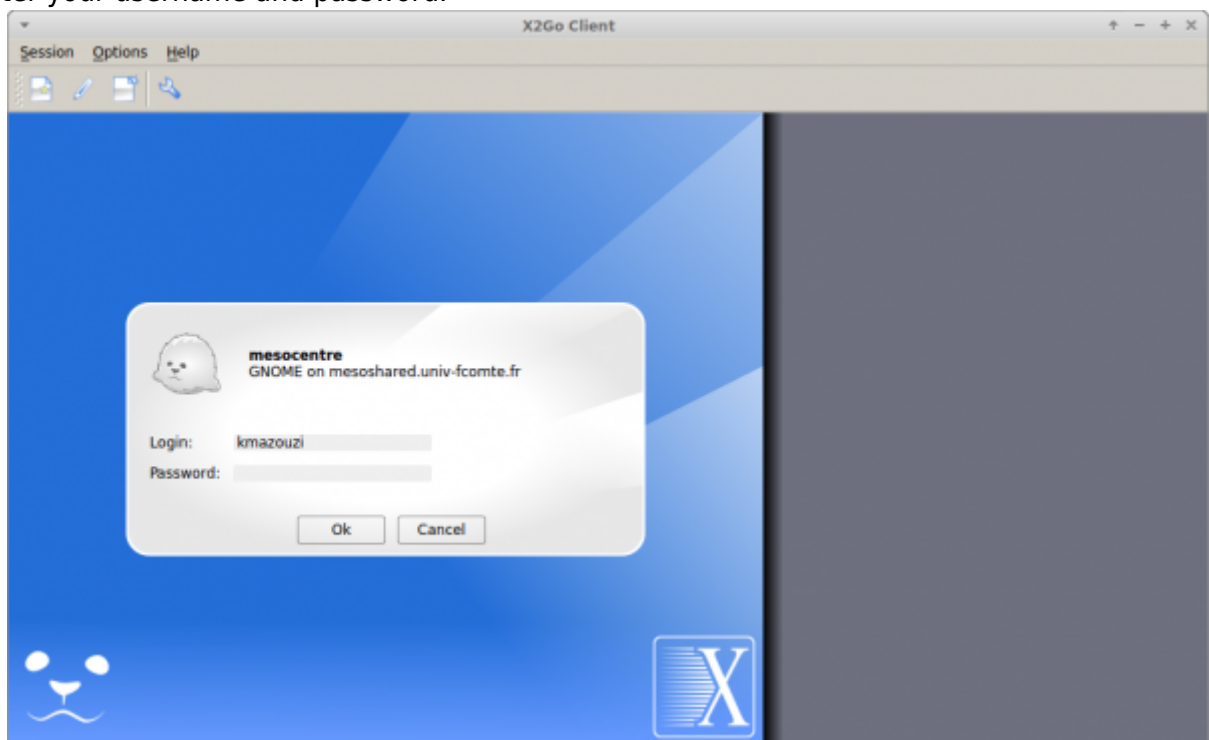
2. Specify **mesoshared.univ-fcomte.fr** in the host field and choose **GNOME** as Desktop Environment in Session type:



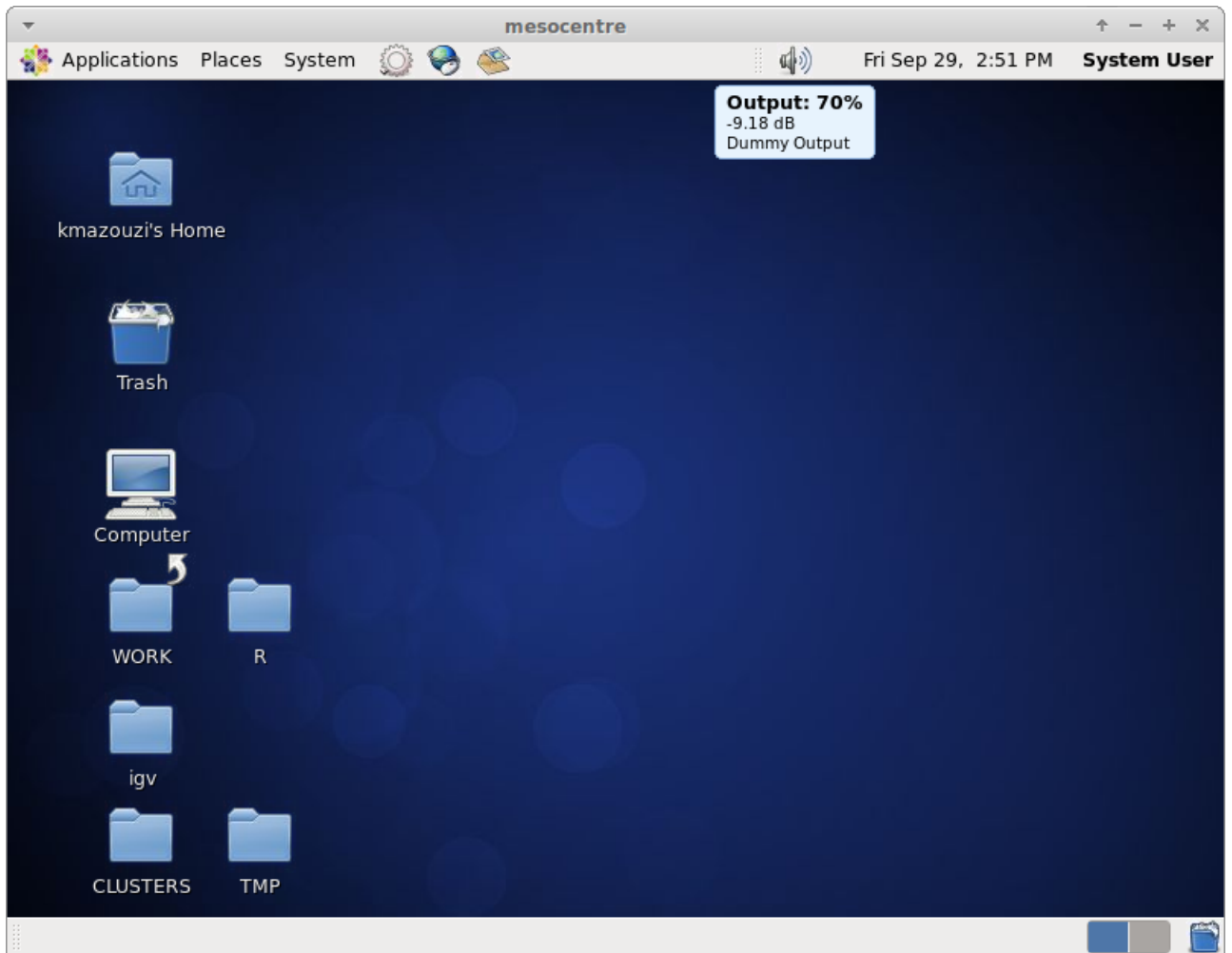
3. Click the connection to start it.



4. Enter your username and password.



5. Enjoy the remote desktop connectivity.



6. From menu Applications > System tools > Terminal. Open a terminal and go to WORK space

```
7. cd $WORK
```

Load and run your application ; for example ; load matlab

```
$ module load matlab
```

run matlab

```
$ matlab
```

X2GO Options

- For better performances we encourage to disable sound support and client side printing: go to session preferences / media panel and disable those options
- Remote file sharing is disabled for now.

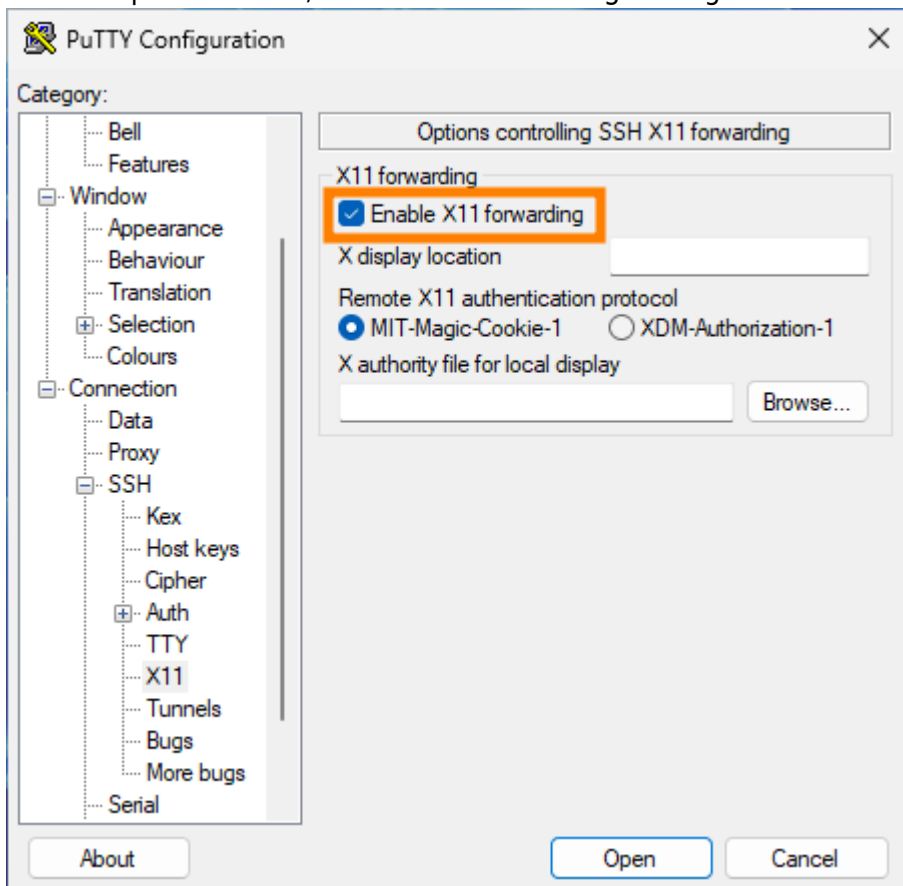
Graphical SSH

Windows

Windows does not provides an X server, so you have to download and install one: e.g. Xming or VcXsrv.

On your SSH client, you will also have to configure X11 forwarding.

For example for PuTTY, the X11 forwarding settings are inside Connection→SSH→X11 category.



Linux

To connect with X11 support (usually required for applications with graphical user interfaces), use the -X or -Y switch with SSH command:

```
$ ssh -X youraccount@mesoshared.univ-fcomte.fr
```

From:

<http://mesowiki.univ-fcomte.fr/dokuwiki/> - **Wiki Utilisateurs - Mésocentre de calcul de Franche-Comté**

Permanent link:

<http://mesowiki.univ-fcomte.fr/dokuwiki/doku.php/x2go>

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